



# Crop Weather Report

**Issue: 07-19**  
Issued: Weekly: Apr-Oct  
Monthly: Nov-Mar

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**Released: July 16, 2007**  
For the Week Ending:  
July 15, 2007

## Weather Summary

Most of Montana experienced above normal temperatures and below normal precipitation last week. Only three weather stations got above normal precipitation. Roundup, Missoula, and Superior all reached the high temperature of 103 degrees for the week, and West Yellowstone, Cascade, and Goldbutte shared the low of 35 degrees. Plentywood received 0.57 inches of moisture, the most for the state. Topsoil moisture adequate and surplus is 39 percent which is below last week's 49 percent but above last year's 16 percent. Subsoil moisture adequate and surplus, at 54 percent, is down from last week's 60 percent but is above last year's 26 percent and the five-year average of 35 percent. The number of days suitable for fieldwork was 6.6 days, up from last week's 6.5 days.

The weather outlook for July 23<sup>rd</sup> through July 29<sup>th</sup> is for above normal temperatures and above normal precipitation both east and west of the continental divide. Normal temperatures for this period in the state are highs in the mid 70s to the upper 80s and lows in the lower 40s to 60 degrees.

Soil Moisture & Fieldwork Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Topsoil Moisture</b>				
Very Short	19	11	33	23
Short	42	40	51	38
Adequate	37	46	16	37
Surplus	2	3	0	2
<b>Subsoil Moisture</b>				
Very Short	14	9	27	26
Short	32	31	47	39
Adequate	51	57	25	34
Surplus	3	3	1	1
<b>Days Suitable for Fieldwork</b>				
Days	6.6	6.5	6.9	6.4

## Field Crops Report

The combination of hot temperatures and lack of precipitation is causing stress to crops across the state. Farmers in the North Central district have begun harvesting their winter wheat crop. The second cutting of hay has also started.

Crop Progress Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Boot Stage</b>				
Spring Wheat	99	95	97	94
Durum Wheat	94	79	97	85
<b>Headed</b>				
Barley	88	74	76	77
Spring Wheat	79	60	91	78
Oats	91	74	85	73
Durum Wheat	68	52	73	58
<b>Turning</b>				
Winter Wheat	94	70	96	79
Barley	28	15	22	19
Oats	29	13	30	21
Spring Wheat	20	5	33	18
Durum Wheat	19	n/a	n/a	n/a
<b>Blooming</b>				
Dry Peas	100	90	83	n/a
Lentils	100	89	90	n/a
<b>Harvested</b>				
Winter Wheat	3	n/a	14	3
<b>Hay First Cutting</b>				
Alfalfa	94	80	92	84
All Other	84	76	84	70
<b>Hay, Second Cutting</b>				
Alfalfa	1	n/a	n/a	n/a

## Livestock Report

Range and pasture feed conditions are similar to last week. Sixty-two percent is rated good to excellent compared to 38 percent last year and a five-year average of 37 percent.

Livestock Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Range and Pasture Feed Condition</b>				
Very Poor	6	5	6	11
Poor	7	8	17	18
Fair	25	26	39	34
Good	47	46	32	31
Excellent	15	15	6	6

## Weather Information for the Week ending 07/15/2007

Station ID						Precipitation							
	Temperature			GDDs		This Week		April 1 to Date			October 1 to Date		
	Hi	LOW	AVG	B50	DFN	Total	DFN	Total	DFN	%NRM	Total	DFN	%NRM
NORTHWEST													
Alberton	102	51	75	179	+21	0.00	-0.21	3.96	-1.06	79	14.57	+3.84	136
Anaconda	94	45	70	142	+7	0.02	-0.26	7.27	+0.63	109	13.39	+2.46	123
Clinton	100	46	73	163	+21	0.07	-0.14	6.52	+1.50	130	15.24	+4.51	142
Corvallis	99	50	76	182	+21	0.00	-0.21	3.59	-1.16	76	6.43	-4.05	61
Creston	100	49	73	164	+12	0.00	-0.38	5.22	-2.33	69	9.87	-5.93	62
Deer Lodge	97	42	69	137	+7	0.00	-0.28	6.12	+1.17	124	9.38	+1.56	120
Drummond	101	44	72	152	+14	0.00	-0.28	5.94	+0.49	109	9.68	-0.63	94
Hamilton	100	54	77	194	+21	0.00	-0.21	4.04	-0.71	85	8.02	-2.46	77
Kalispell	98	45	73	160	+9	0.00	-0.26	4.42	-1.39	76	10.32	-3.04	77
Missoula	103	55	78	201	+21	0.00	-0.21	3.86	-1.16	77	9.36	-1.37	87
Olney	97	43	68	131	+7	0.00	-0.35	3.23	-3.95	45	14.93	-4.60	76
Polson	96	53	74	166	+21	0.00	-0.28	6.68	+0.14	102	11.53	-1.62	88
St Ignatius	99	56	77	191	+21	0.03	-0.26	6.01	-1.05	85	11.36	-1.94	85
Seeley Lake	99	44	71	149	+7	0.00	-0.27	4.33	-1.71	72	14.87	-3.46	81
Sula	94	43	69	132	+5	0.10	-0.18	7.54	+0.94	114	12.92	+0.03	100
Superior	103	52	78	194	+25	0.00	-0.19	4.69	-0.40	92	14.50	+0.84	106
Swan Lake	98	39	70	143	+7	0.00	-0.31	7.52	-0.12	98	23.27	-0.43	98
Thompson Falls	99	50	74	169	+28	0.00	-0.21	5.58	-0.49	92	23.11	+3.23	116
West Glacier	97	49	72	158	+7	0.00	-0.44	6.74	-1.82	79	23.59	-0.81	97
NORTH CENTRAL													
Chester	100	43	72	152	+21	0.00	-0.35	4.17	-1.34	76	7.91	-0.01	100
Chinook	98	48	70	143	+34	0.06	-0.29	7.98	+1.90	131	11.77	+2.95	133
Choteau	97	40	69	132	+21	0.03	-0.25	3.91	-1.73	69	5.62	-1.99	74
Cut Bank	98	48	70	142	+11	0.00	-0.28	0.88	-5.26	14	1.36	-7.11	16
Ft Assinniboine	100	46	71	148	+35	0.00	-0.35	7.01	+1.37	124	10.52	+1.86	121
Fort Benton	98	48	72	156	+32	0.00	-0.28	6.83	-0.11	98	11.16	+0.10	101
Goldbutte	100	35	69	133	+14	0.00	-0.29	6.07	-0.47	93	10.19	+0.90	110
Harlem	96	48	70	145	+31	0.23	-0.19	8.20	+2.53	145	11.21	+2.93	135
Havre	100	46	70	145	+35	0.01	-0.34	6.93	+1.82	136	10.32	+2.22	127
Malta	99	51	73	165	+28	0.11	-0.38	8.23	+1.59	124	11.01	+1.74	119
Rudyard	100	45	71	149	+39	0.00	-0.35	8.01	+1.10	116	11.32	+1.03	110
Shelby	101	42	71	147	+14	0.00	-0.33	3.66	-2.67	58	7.06	-1.64	81
Turner	96	46	69	133	+28	0.03	-0.46	6.74	+0.10	102	8.57	-0.70	92
Valier	98	39	69	137	+14	0.00	-0.33	3.69	-2.64	58	5.63	-3.07	65
NORTHEAST													
Bredette	99	47	69	137	+35	0.29	-0.13	10.01	+3.73	159	13.04	+4.47	152
Culbertson	96	44	69	133	+35	0.48	+0.02	8.70	+1.35	118	12.01	+1.93	119
Glasgow	94	52	72	155	+42	0.10	-0.32	10.62	+5.14	194	12.73	+4.93	163
Glendive	95	52	74	168	+63	0.10	-0.29	8.26	+1.11	116	11.57	+1.44	114
Jordan	96	45	71	149	+49	0.11	-0.31	10.23	+3.47	151	12.54	+2.79	129
Nashua	97	53	73	161	+42	0.00	-0.42	11.76	+6.28	215	14.28	+6.48	183
Opheim	95	41	66	117	+21	0.00	-0.51	8.52	+2.31	137	10.51	+2.27	128
Plentywood	95	45	68	125	+29	0.57	+0.14	11.65	+5.38	186	13.99	+5.37	162
St Marie	95	51	71	149	+42	0.13	-0.29	8.35	+2.87	152	9.87	+2.07	127
Scobey	96	49	69	137	+35	0.12	-0.30	9.87	+3.59	157	12.19	+3.62	142
Sidney	95	48	70	143	+42	0.18	-0.24	9.69	+2.77	140	12.32	+2.26	122
Wolf Point	93	46	70	139	+44	0.27	-0.22	10.12	+2.34	130	11.77	+0.56	105
CENTRAL													
Cascade	100	35	67	123	+7	0.00	-0.31	7.70	+0.28	104	11.75	+0.58	105
Grass Range	95	46	69	135	+28	0.07	-0.34	11.53	+2.79	132	17.46	+4.54	135
Great Falls	98	46	71	152	+28	0.00	-0.28	5.76	-1.23	82	10.35	-1.51	87
Harlowton	93	44	69	136	+21	0.25	-0.10	9.63	+2.63	138	14.32	+3.93	138
Helena	102	52	76	188	+34	0.00	-0.26	5.51	+0.28	105	8.62	-0.05	99
Lewistown	91	44	67	117	+14	0.00	-0.42	10.34	+1.78	121	15.61	+1.68	112
Martinsdale	97	41	66	116	+7	0.00	-0.39	6.63	+0.23	104	10.30	+0.57	106
Neihart	96	38	66	114	+7	0.00	-0.42	11.12	+1.56	116	20.52	+4.47	128
Rogers Pass	94	43	69	135	+21	0.02	-0.26	8.11	+1.59	124	12.76	+2.95	130
Roundup	103	47	73	166	+49	0.00	-0.28	10.08	+3.79	160	14.53	+5.21	156
Ryegate	95	46	69	135	+14	0.15	-0.20	8.56	+2.26	136	12.88	+3.44	136
Stanford	97	46	71	151	+14	0.00	-0.41	8.91	+0.43	105	13.61	+0.90	107
Townsend	97	51	73	160	+21	0.00	-0.29	4.64	-0.57	89	7.61	-0.46	94
Valentine	97	47	70	138	+35	0.00	-0.42	9.79	+2.32	131	14.23	+3.40	131
Wht Sulphur Spr	97	40	68	125	+1	0.00	-0.37	4.44	-2.56	63	7.33	-5.27	58
SOUTHWEST													
Boulder	97	49	71	145	+14	0.04	-0.29	5.71	+0.32	106	8.91	+0.41	105
Bozeman	98	48	72	156	+21	0.00	-0.31	11.52	+2.84	133	22.00	+6.83	145
Butte	91	43	69	135	+7	0.02	-0.26	6.11	+0.49	109	10.06	+1.10	112
Dillon	94	49	71	149	+17	0.20	-0.07	5.49	+0.21	104	8.94	+1.36	118
Ennis	93	41	68	128	+14	0.12	-0.17	6.95	+0.57	109	12.40	+2.49	125
Lakeview	92	50	71	145	+0	0.34	-0.07	3.30	-4.65	42	10.16	-5.89	63
W Yellowstone	90	35	64	100	+0	0.15	-0.22	3.46	-3.34	51	10.40	-7.59	58
Wisdom	93	36	65	109	+0	0.08	-0.17	5.60	+0.86	118	11.44	+2.91	134
SOUTH CENTRAL													
Billings	95	54	73	166	+54	0.00	-0.21	8.65	+1.81	126	14.49	+2.18	118
Cooke City	92	47	69	134	+0	0.46	-0.03	5.22	-3.10	63	11.11	-9.03	55
Gardiner	95	49	73	162	+34	0.15	-0.13	2.20	-2.17	50	6.02	-1.80	77
Hardin	102	50	75	177	+45	0.00	-0.21	8.47	+1.27	118	13.85	+1.15	109
Huntley	99	43	70	141	+35	0.00	-0.21	9.11	+2.30	134	13.90	+2.91	126
Hysham	97	51	74	168	+55	0.00	-0.29	8.74	+2.11	132	13.93	+3.66	136
Joliet	97	46	70	139	+35	0.27	+0.06	7.77	+0.03	100	13.64	+0.64	105
Livingston	97	45	70	142	+28	0.01	-0.30	7.63	+0.10	101	13.70	+1.74	115
Nye	96	42	70	139	+28	0.00	-0.31	8.12	+0.59	108	13.34	+1.38	112
Rapelje	98	47	72	152	+33	0.00	-0.29	10.70	+3.49	148	15.08	+3.01	125
SOUTHEAST													
Albion	93	42	69	135	+42	0.18	-0.20	8.64	+1.32	118	13.01	+2.45	123
Baker	92	49	69	131	+51	0.32	-0.09	10.06	+2.85	140	13.67	+2.96	128
Broadus	99	45	72	159	+49	0.00	-0.32	9.58	+2.57	137	13.93	+2.97	127
Ekalaka	91	46	70	139	+47	0.03	-0.35	10.98	+1.94	121	16.48	+3.42	126
Miles City	99	53	74	170	+69	0.09	-0.28	8.26	+0.97	113	11.06	+0.07	101
Plevna	95	44	69	135	+51	0.22	-0.19	9.06	+1.85	126	13.41	+2.70	125
Compiled by AWIS Inc. based on NWS data. DFN-Departure from normal 1961-1990. GDD-Growing degree days													